

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for preparing an organic alkyne ~~compounds~~
compound of the formula I



by reacting organic halogen compounds of the formula Ia



with organic terminal alkyne compounds of the formula Ib



where X and Y are identical or different organic radicals,

in inert solvents under the action of microwave energy,

in the presence of at least one metal compound and at least one base,

wherein Hal is chlorine or bromine.

Claim 2 (Currently Amended): A process as claimed in claim 1 which is carried out in the presence of at least one metal compound which comprises a metal selected from the group consisting of magnesium, calcium, strontium, barium, titanium, zirconium, hafnium, iron, ruthenium, osmium, cobalt, rhodium, iridium, nickel, palladium, platinum, copper, silver, gold, zinc, cadmium, mercury and mixtures thereof.

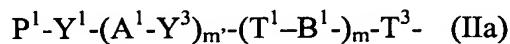
Claim 3 (Original): A process as claimed in claim 1 which is carried out in the presence of a copper compound.

Claim 4 (Previously Presented): A process as claimed in claim 1, wherein X and Y are identical or different and are each organic radicals which contain saturated or unsaturated

carbo- or heterocyclic radicals where both -Hal and H-C≡C- are bonded directly to said saturated or unsaturated carbo- or heterocyclic radicals.

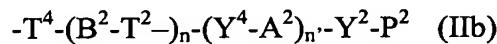
Claim 5 (Previously Presented): A process as claimed in any of claims 1 to 3, wherein

X is a radical of the formula IIa



and

Y is a radical of the formula IIb



where

P^1 and P^2 are each independently hydrogen, C_1-C_2 -alkyl, a polymerizable group, a group suitable for polymerization or a radical which carries a polymerizable group or a group suitable for polymerization,

or

P^1 and/or P^2 each corresponds to a radical P^1' and/or P^2' which denotes a precursor group which is stable under the reaction conditions which can be reacted to give or be substituted by the corresponding polymerizable group or group suitable for polymerization P^1 and/or P^2 or the radicals P^1' and/or P^2' which carry a polymerizable group or a group suitable for polymerization,

Y^1 , Y^2 , Y^3 and Y^4 are each independently a single chemical bond, -O-, -S-, -CO-, -CO-O-, -O-CO-, -CO-N(R)-, -(R)N-CO-, -O-CO-O-, -O-CO-N(R)-, -(R)N-CO-O- or -(R)N-CO-N(R)-,

B^1 and B^2 are each independently a single chemical bond, -C≡C-, -O-, -S-, -CO-, -CO-O-, -O-CO-, -CO-N(R)-, -(R)N-CO-, -O-CO-O-, -O-CO-N(R)-, -(R)N-CO-O- or

-(R)N-CO-N(R)-,

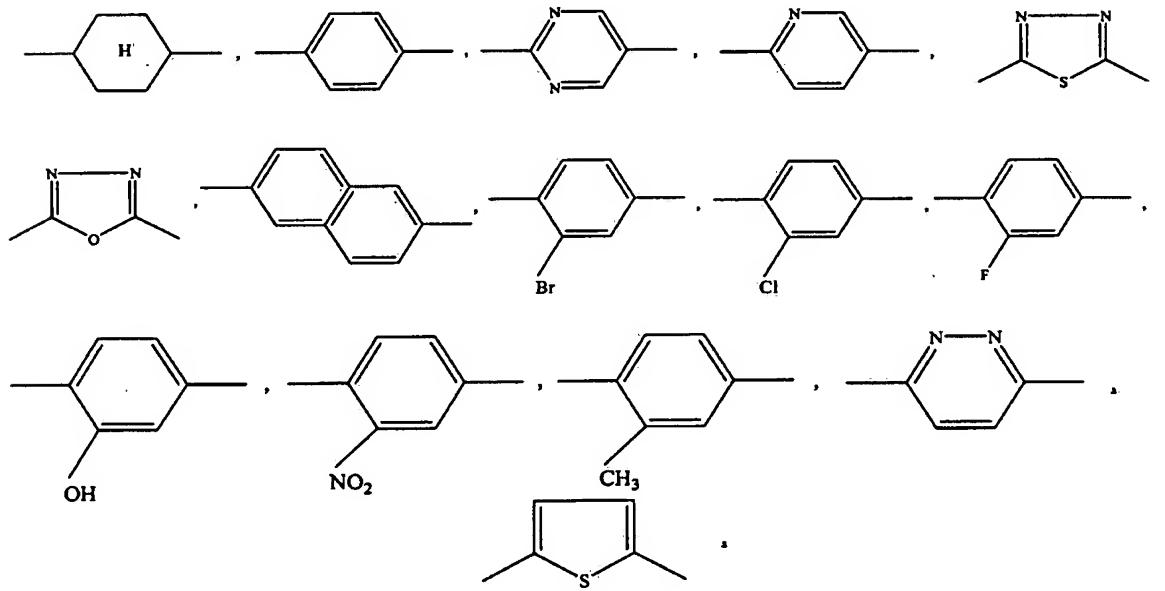
each R is, independently and irrespective of the meaning in each of Y¹ to Y⁴, B¹ and B², hydrogen or C₁-C₄-alkyl,

A¹ and A² are each independently spacers having from 1 to 30 carbon atoms,

T¹, T², T³ and T⁴ are each independently bivalent, saturated or unsaturated, carbo- or heterocyclic radicals and

m', m, n' and n are each independently 0 or 1.

Claim 6 (Previously Presented): A process as claimed in claim 5, wherein the T¹ to T⁴ radicals in the formulae IIa and IIb are selected from the group consisting of



Claim 7 (Previously Presented): A process as claimed in claim 1, wherein the inert solvent used is dimethylformamide or N-methyl-pyrrolidone or a mixture of the two.

Claim 8 (Previously Presented): A process as claimed in claim 1, wherein the inert solvent used is dimethylformamide.

Claim 9 (Previously Presented): A process as claimed in claim 1, wherein the at least one base is a compound selected from the group consisting of alkali metal carbonates, alkali metal phosphates, tri(C₁—C₄-alkyl)amines and mixtures thereof.

Claim 10 (Previously Presented): A process as claimed in any claim 1, wherein the base used is at least one alkali metal carbonate.

Claim 11 (Previously Presented): A process as claimed in claim 1, wherein the base used is potassium carbonate.

Claim 12 (New): The process as claimed in claim 1, wherein X is an alkyl group.

Claim 13 (New): The process as claimed in claim 1, wherein X is an aryl group.

Claim 14 (New): The process as claimed in claim 1, wherein X and Y are different organic radicals.

Claim 15 (New): The process as claimed in claim 1, wherein Hal is chlorine.

Claim 16 (New): The process as claimed in claim 1, wherein Hal is bromine.

DISCUSSION OF THE AMENDMENT

Claims 1-16 are active in the present application. Independent Claim 1 is amended to correct a typographical error in the preamble. The amendment to Claim 1 is not intended to change the scope of the originally claimed subject matter. Claims 12-16 are new claims. Support for new Claims 12-13 is found in the examples of the present specification. Support for new Claim 14 is found in the examples. Support for new Claims 15-16 is found in the original claims.

No new matter is added.